

**Practice Masters Level A****3.1 Solving Equations by Adding and Subtracting**

State the property needed to solve each equation.

1. $x + 3 = 7$ _____
2. $z - 8 = 6$ _____
3. $-28 + z = 14$ _____
4. $13 = k - 7$ _____
5. $x - 0.5 = 3$ _____
6. $m + 12 = -14$ _____
7. $n - 6 = -2$ _____
8. $-12 = k + 3$ _____
9. $-5 = j + 3$ _____
10. $17 = z - 7$ _____
11. $15 + n = -3$ _____
12. $f - 6 = -7$ _____
13. $g + 20 = -50$ _____
14. $-30 = 7 + h$ _____
15. $21 = 0.75 + m$ _____

Solve each equation. Check the solution.

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| 16. $y - 6 = 10$ _____ | 17. $13 = h - 6$ _____ | 18. $z + 7 = -6$ _____ |
| 19. $t + 4 = -2$ _____ | 20. $-12 = -3 + y$ _____ | 21. $d - 4 = -2$ _____ |
| 22. $m - 7 = -8$ _____ | 23. $28 + k = -6$ _____ | 24. $x + 7 = -16$ _____ |
| 25. $15 = 17 + x$ _____ | 26. $-16 = z + 4$ _____ | 27. $j + 18 = 52$ _____ |
| 28. $-7 + y = 14$ _____ | 29. $25 + h = -23$ _____ | 30. $-52 = z - 12$ _____ |